The benefits of IT

Computing systems and networks – Information technology around us
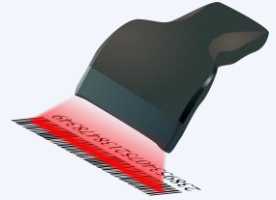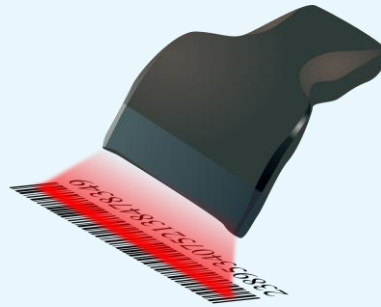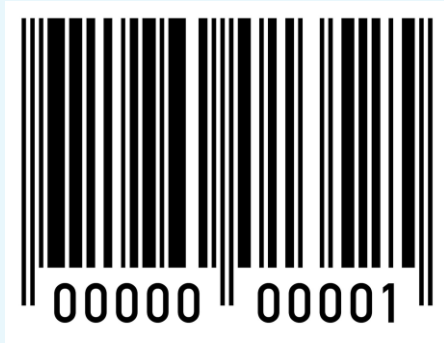
The benefits of IT

To explain how information technology helps us

- I can recognise common types of technology

- I can demonstrate how IT devices work together

- I can say why we use IT

Do you think any of these devices could be found in a supermarket?

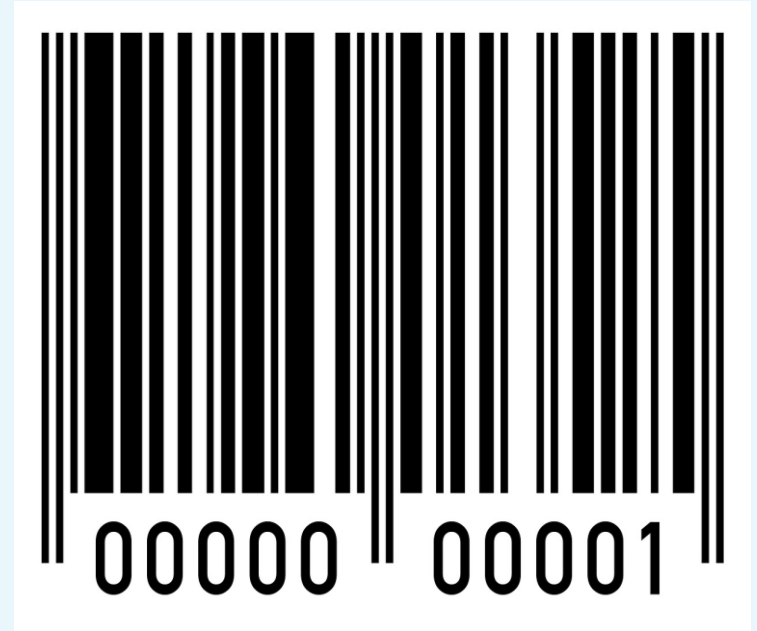# What are these? – Think, pair, share

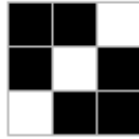How might these things be used together?

Barcodes

Most items in a shop will have a barcode on them, for example, books, beans, bottles...

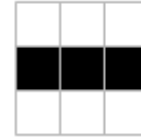A barcode contains a code that can be read very quickly by a computer.
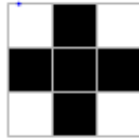
Barcodes

Supermarket till
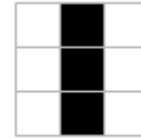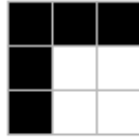
Beans: 25p
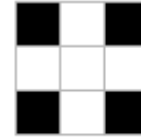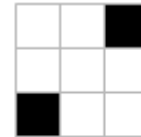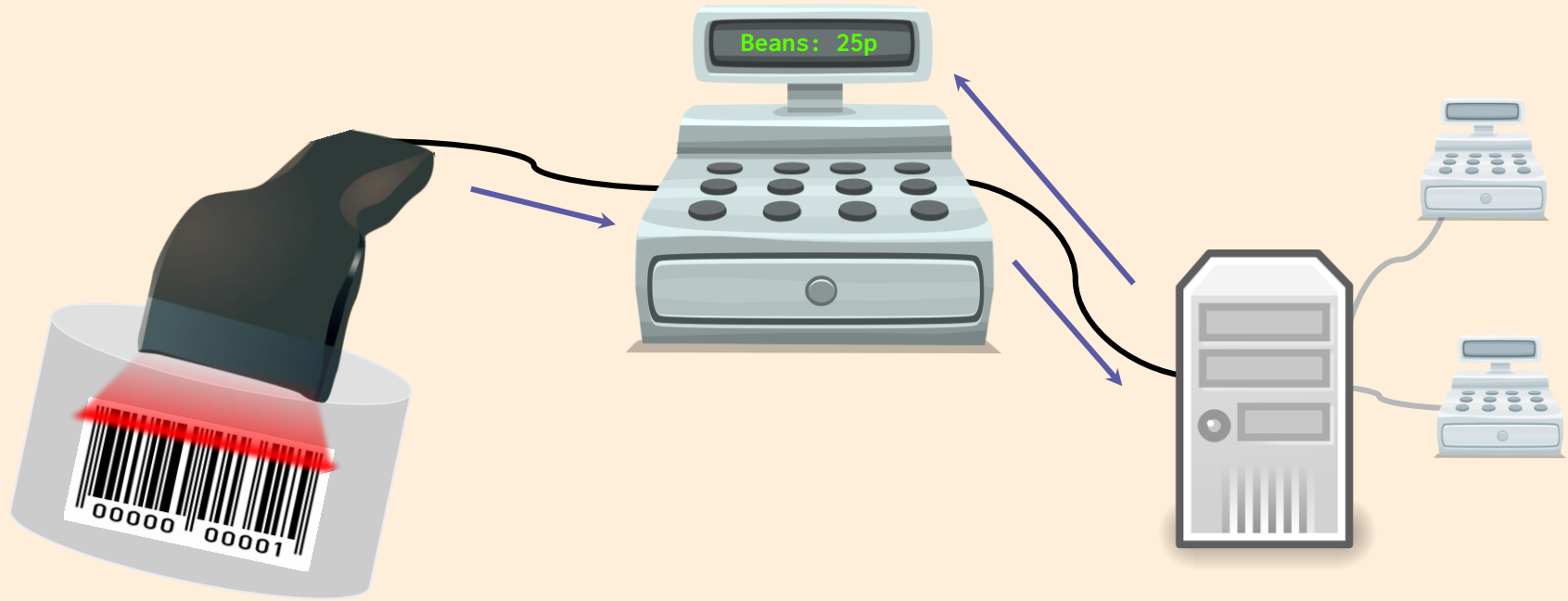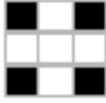
Customer

We will:

- Select 1 product to buy

- Give the product to the **scanner and item finder**

Product list

	Beans
	Carrots
	Milk
	Bananas
	Cheese
	Bread
	Peas

Scanner and item finder

We will:

- Look at the code and find the matching code on the product list

- Tell the **price finder** what the product is

Price list (A)

Beans	5p
Carrots	3p
Milk	10p
Bananas	4p
Cheese	10p
Bread	8p
Peas	2p

Price finder and adder

We will:

● Find the product and the price for the product

● Write the price of the product on the customer's receipt

Being a supermarket till

1. The customer selects 1 product.

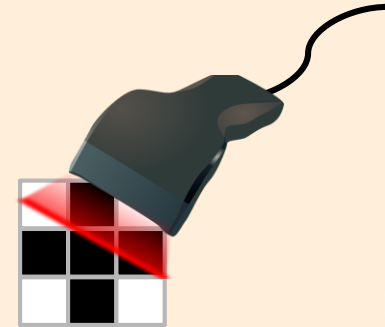2. The scanner beeps and finds the matching code. Tell the price finder what the product is.

3. The price finder looks up the price, tells the customer the price, and adds it to the till receipt.

Beans: 8p

Think, pair, share – Reflection

1. Were you able to complete the jobs quickly?

2. Were you able to work well with the other parts of the till?

3. How does having barcodes help shops and shoppers?

4. Do you think a real till would be quicker than you were?

Think, pair, share

What are the benefits of using IT?

How confident are you? (1–3)

- I can recognise common types of technology

- I can demonstrate how IT devices work together

- I can say why we use IT

3 – Very confident

2 – Unsure

1 – Not confident

Next lesson

In this lesson, you...

Roleplayed being a supermarket till

Talked about the benefits of using information technology

Next lesson, you will...

Think about how we can use information technology safely